adu Usion .: Aphocos	Ŀ2	5/014,57637000/006/00157000	
: n. estovníkov	, A. N.; Lomov,	A. L.	
Time: Study of therm	nodynamic proper	ties of the double system Cu-Sh by the	
: TV.Z. Tsvote	naya metallurgiy	ya, no. 6, 1963, 75-82	
to 27 -5 5 at 5		all property of Cu-Sb, binary alloy the	
	aloy mystom was on 0.9013-0.0405	s studied in the temperature interval	
Lor Chaise	· · · · · · · · · · · · · · · · · · ·	•	
.С	u _{ss} CuCl, KCl —	$(N_{s_0}) - Sb(N_{s_0})^{\frac{1}{2}}$	
description the one value 1190 and 1215%. Those	ies (by interpo-	mature. The graphs were used to the temperatures 1115, 1140, 1165, the sed to calculate the logarithms of	

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copps acolay, by from equation

 $\lg a_{\text{Cu}} = -\frac{25.35}{4.575 \text{ T}} c$

ASSOCIATION: Moskovskiy institut stali i splavov, Kafedra fizicheskikh isoledovaniy protsesov proizvodstva poluprovennikovy*kh materialov i chisty*kh

Card 2/5

LOMOV, A.L.; KRESTOVNIKO, A.N.

Thermodynamic properties of the ternary metallic system bismuth—copper—antimony. Dokl. AN SSSR 156 no.6:1389-1390 Je '64.

(MIRA 17:8)

1. Predstavleno akademikom A.A. Bochvarom.

L 24785-65 EWT(m)/EWP(b)/EWP(t) IJP(c) JD/JW ACCESSION NR: AP4049600 S/0076/64/038/011/2569/2574 23 22 8

AUTHOR: Lomov, A. L. (Hoscow); Krestownikov, A. N. (Hoscow)

TITLE: Investigation of the thermodynamic properties of binary bismuth-antimony metallic systems by the method of electromotive forces 27 27

SOURCE: Zhurnal fizicheskoy khimii, v. 38, no. 11, 1964, 2569-2574

TOPIC TAGS: binary alloy, bismuth antimony system, electromotive force mehod, alloy, thermodynamic property

ABSTRACT: The thermodynamic properties of the bismuth-antimony system in the liquid phase have been investigated by the method of electromotive forces. The emfs of the concentration cells of the type

-Bi(1) | BiCl₃, KCl-NaCl | [Bi(NBi)-Sb(NSb)] (1) were measured at temperatures in the 1115-1215 K range. Ten electrode melts with the concentration of from 0.0679 to 0.9021 were studied. Both negative and positive deviations from Raoult's law were found, as well as negative-positive

Card 1/2

L 24785-65 ACCESSION NR; AP4049600

heating effects and excessive mixture entropies. For the explanation of the deviations of S from ideal values, the work by G. Scatchard (Trans. Faraday Soc. 33, 160 (1937) is applied. Orig. art. has: 4 figures and 12 equations.

ASSOCIATION: Institut stali i splavov (Institute of Steel and Alloys)

SUBMITTED: 15Apr63

ENCL: 00

SUB CODE: MM, TD

NO REF SOV: 009

OTHER: 013

Card2/2

Study of the thermodynamic properties of the ternary system

bis with - copper - antimony along the cross-section

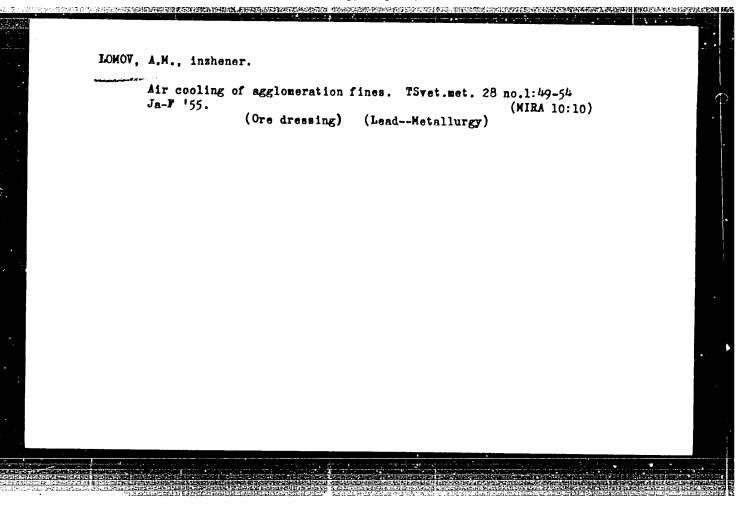
NE1: NS6 = 3:1 by the electromotive force method. Zhur.fiz.khim.

38 no.11:2658-2662 N *64. (MIRA 18:2)

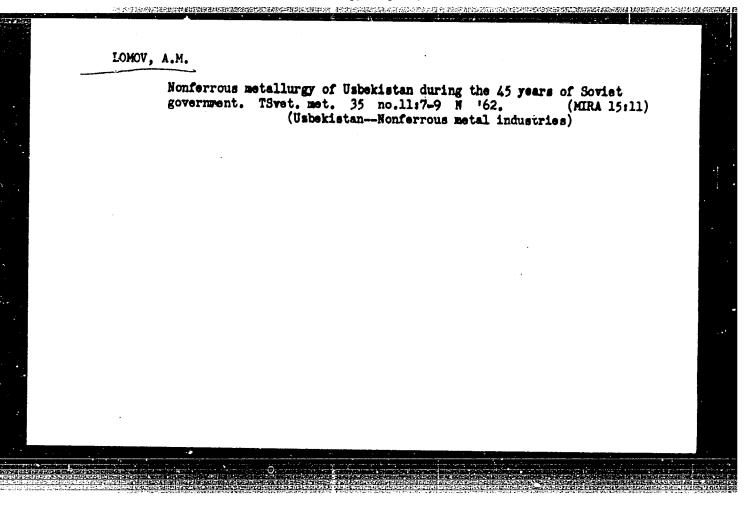
1. Moskovskiy institut stali i splavov.

34527-65 EWT(1)/EPA(s)-2/EWT(m)/EPF(n)-2/EWG(m)/EPA(bb)-2/EWP(t)/EWP(b) Pt-10/ Pu-4 IJF(c) JD/WW/JW/JG ACCESSION NR: AP5003123 S/0080/65/038/001/0188/0192 AUTHOR: Lomov, A. L.; Krestovníkov, A. N. TITLE: Investigation of thermodynamic properties of the ternary metallic system Bi-Cu-Sb at the section NBi:NSb = 1:1 by the e.m.f. method SOURCE: Zhurnal prikladnoy khimii, v. 38, no. 1, 1965, 188-192 TOPIC TAGS: bismuth copper antimony system, thermodynamic property, mixing entropy, mixing heat 27 ABSTRACT: The thermodynamic characteristics of ternary liquid metal alloys of the Bi-Cu-Sb system in which the NBi:NSb ratio was maintained unchanged at 1:1 were studied at 1215K by the e.m.f. method. These systems were characterized by negative deviation from Raoul's law, i.e., when 0<N_{Cu}<1, the activity of Cu was less than ideal, by positive excess entropy of mixing, by positive heat of mixing when $0<N_{Cu}<0.46$, ($\Delta H_{mix}=0$ when $N_{Cu}=0.46$), and by negative heat of mixing when $N_{Cu}>0.46$. The positive excess entropy of mixing in these was ex-

ACCESSION NR: AP5003123			emple and the explicit
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plained as associated with th	e large difference in	atomic volume of the cor	nponent
metal pairs Bi-Cu and Cu-St	o. Orig. art. has: 4	equations, 5 figures, and	. 2
	발활성 중요로 이 프로그램 (1985) 1985년 - 1985년 - 1985년 198		
ASSOCIATION: None			
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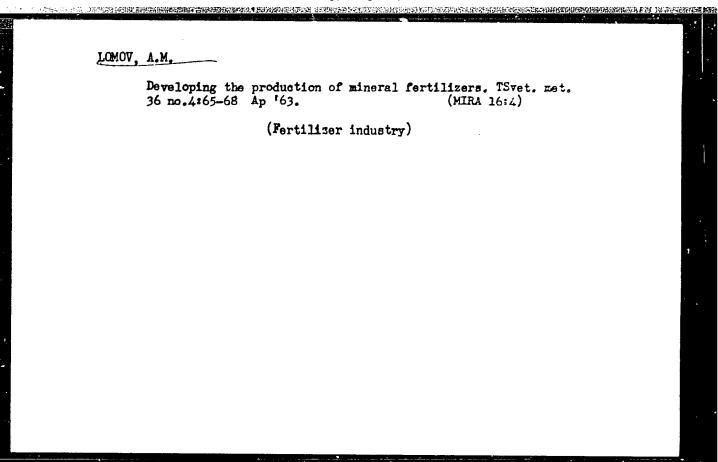
Design of furnaces and roasting facilities for zinc concentrates in boilings. TSvet.met. 29 no.5:40-49 My '56. (MLRA 9:8) 1. Kavgiprotsvetmet. (Zinc metallurgy) (Metallurgical furnaces)

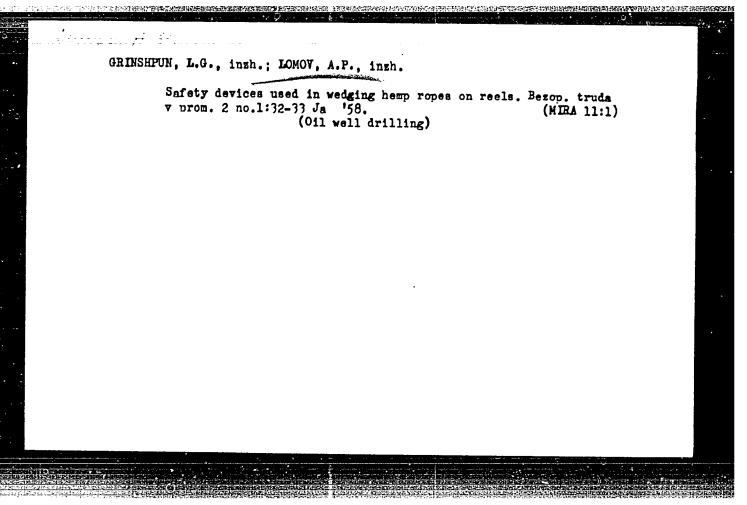


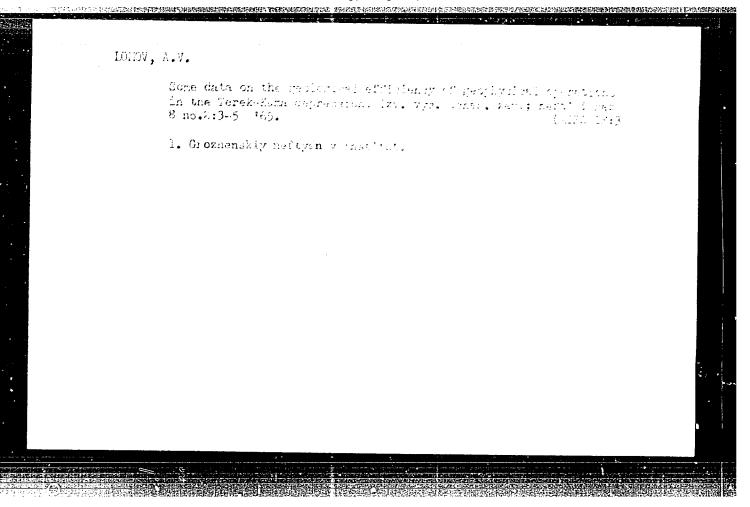
TSOGOTEY, Nikolay Aleksandrovich; LOMOY, Aleksandr Mikhaylovich;
KOUDRATOY, N.M., red.; MURAKATEVA, A.K.; UMANSKIY, P.A.,
tekhn.red.

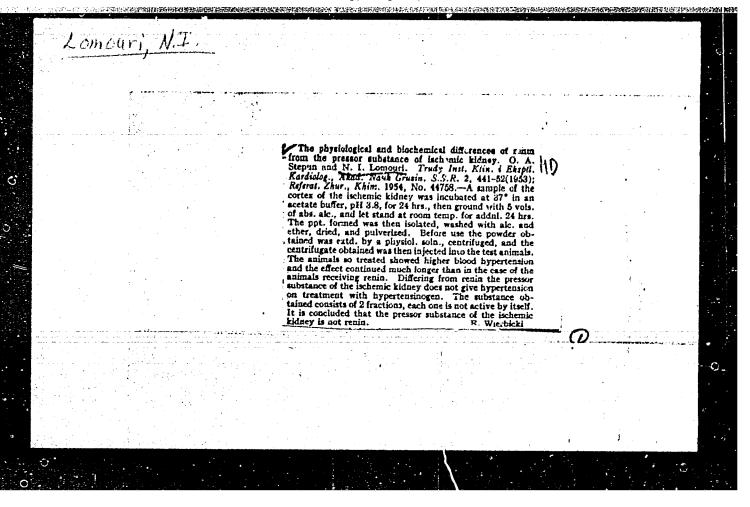
[Nonferrous metallurgy in Uzbekistan] TSvetnaia metallurgia
Uzbekistans. Tashkent, Gos.izd-vo Uzbekskoi SSR, 1959. 22 P.
(MIRA 14:3)

(Uzbekistan-Honferrous metals)



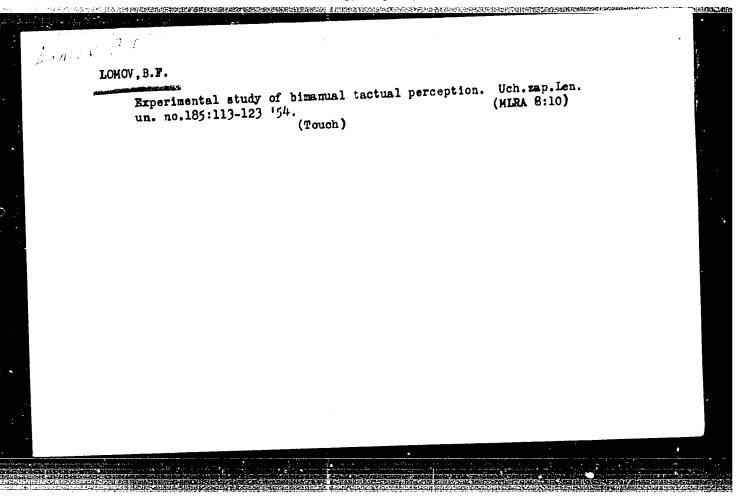


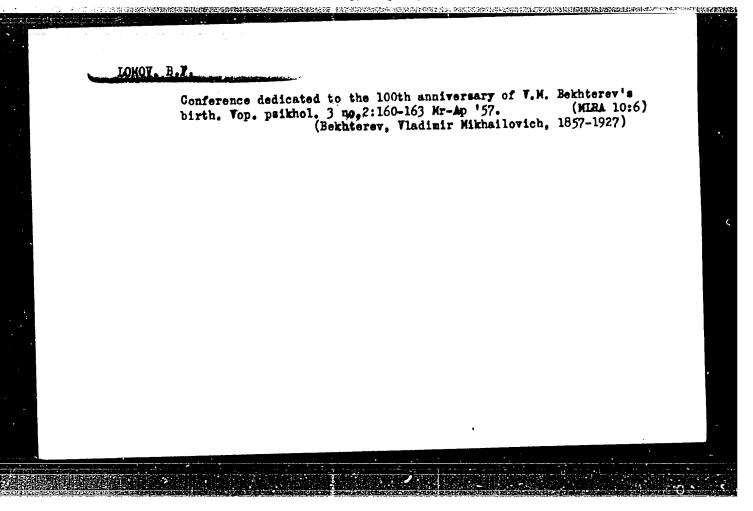


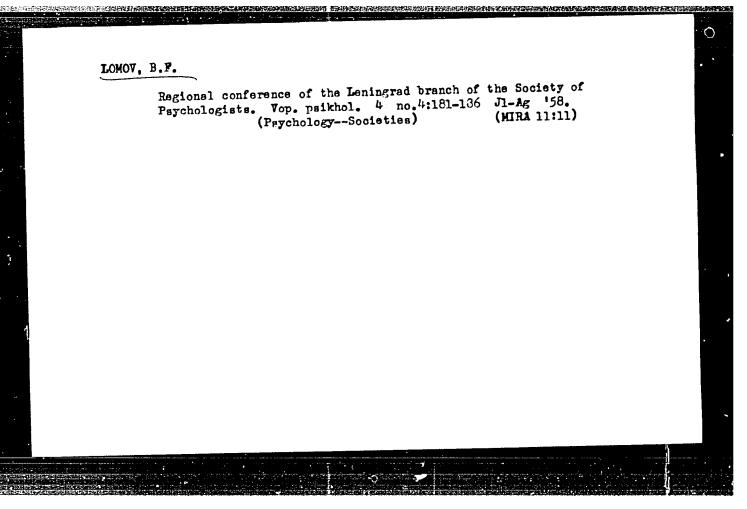


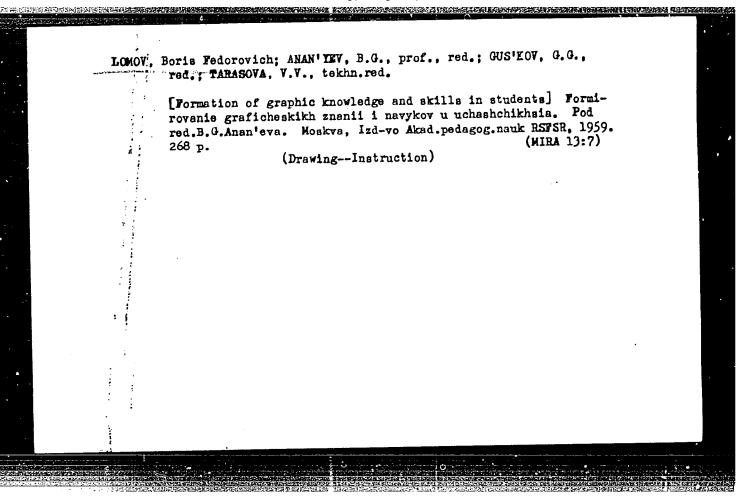
ACC NRI ANG034594	Monograph	UR/
Omov, Boris Fedorovich	La	
inzhenernoy psikholo biblio., indices. 2	line of engineering psychology (Ch gii) Moscow, Izd-vo ⁿ Sovetskoye rs 0,300 copies printed.	adio", 1966. 463 p. 11lus.,
TOPIC TAGS: human engi PSリアイクレンティ・ピリのと	neering, man machine system, man m	machine communication,
psychology, is inten	e of the first in the USSR on prob ded for specialists in automatic d of universities and technical inst	levices and radar, psycholo-
systematic review of neering) and accumula	the basic problems of engineering ated experimental data, and formul	g psychology (human engi- lates problems and tasks for
man-machine interact:	 various aspects of the central ion in conditions of automated pro s of human psychophysiological char 	duction are discussed.
Data on reaction spec capacity to receive,	ed of the operator to sound, light digest, and store information, an	, and other stimuli, human
Principles for development	processes and the structure of wo	for the coordination of
focused on the proble	s and human psychic activity are d em of human reception and treatmen control and regulation systems.	discussed. Attention is at of information as the
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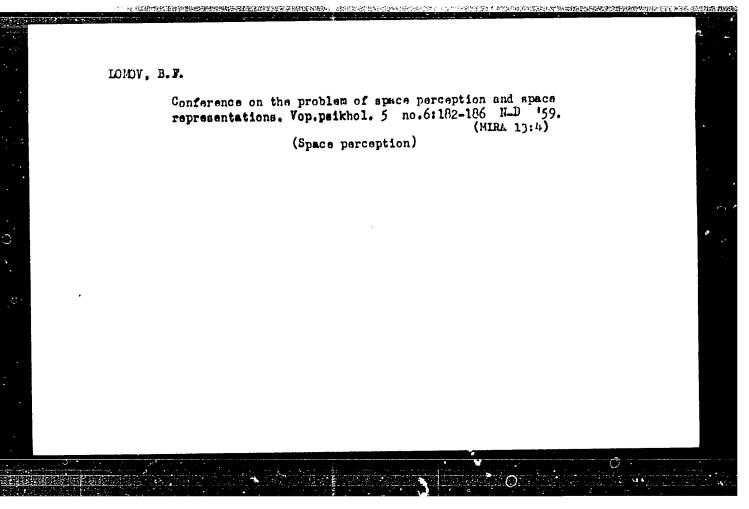
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ZINCHENKO, V.P., LONOV, B.T.

Functions of the movements of the hand and eye in the process of perception [with summary in English]. Vop psikhol. 6 no.1:29-41
Ja-F '60. (MIRA 13:6)

- 1. Institut psikhologii APN RSFSR (for Zinchenko).
- 2. Leningradskiy institut pedagogiki APN RSFSR i kafedra psikhologii Leningradskogo gosudarstvenogo universiteta.

 (Perception) (Eye--Movements) (Hand)

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S/029/60/000/009/004/008 B013/B060

17.2920

Lomov, B., Head of Laboratory

TITLE:

AUTHOR:

Industrial Psychology

PERIODICAL:

Tekhnika molodezhi, 1960, No. 9, pp. 14-15

TEXT: This article is in reply to a letter by V. Prozorov of Leningrad, who asked for information about machine control. An operator's responsibility is becoming increasingly greater with progressing mechanization and automation. The precision and rapidity of his reactions depend on numerous psychological factors that have to be taken into account in machine designing, if a dependable control of production processes is to be secured. A new scientific branch, the so-called industrial psychology, has been developed in recent years, and is concerned with studies of machines from the point of view of an adaptation of their design to particular aspects of human behavior. It does not, however, restrict itself to an analysis of human activity as one of the factors in control systems. Psychological problems arise in all production processes which are in some way related to perception, comprehension, thinking, movements,

Card 1/2

Industrial Psychology

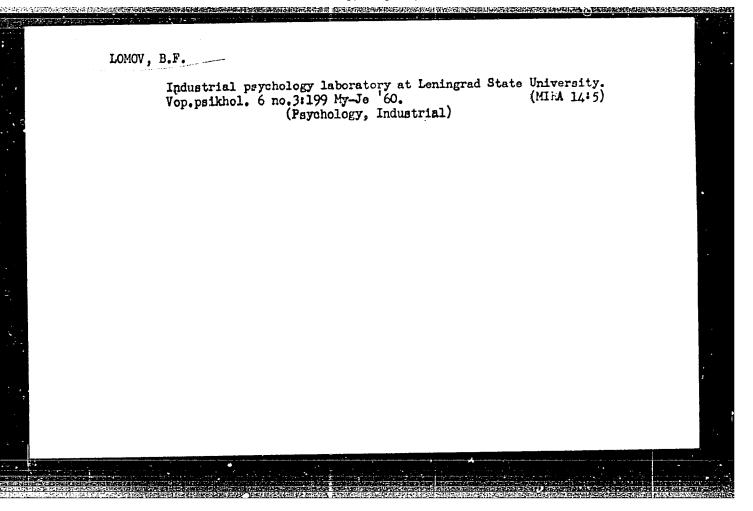
83637 S/029/60/000/009/004/008 B013/B060

and general activity of man. Industrial psychology is further concerned with problems of the evolution of sensitivity, its training, and other psychological factors. Engineers and psychologists are jointly developing special instruments and devices intended for human training. Another problem that must be jointly solved by engineers and psychologists is the creation of technical devices to simulate certain features of human thinking. "Sensitive devices" now available are not yet accomplished to the point of creating their own sensations. Simulating mechanisms have as yet been little developed. It is assumed, however, that a thorough study will eventually provide for ways of endowing automatic devices with the ability to simulate sensations and perceptions. Drawings attached to the article are by I. Kaledina. There are 4 figures.

ASSOCIATION: Laboratoriya industrial noy psikhologii Leningradskogo universiteta (Laboratory of Industrial Psychology of Leningrad University)

Card 2/2

LOM	OV, B.F.	_	
	"Problems of metal development Lomov. Vop.psikhol. 6 no.3:16	t" by A.N.Leont'ev. Reviewed by B.F. 62-169 My-Je '60. (MIRA 14:5)	
	 Leningradskiy universitet. (Intellect) 	(Leont'ev, A.N.)	
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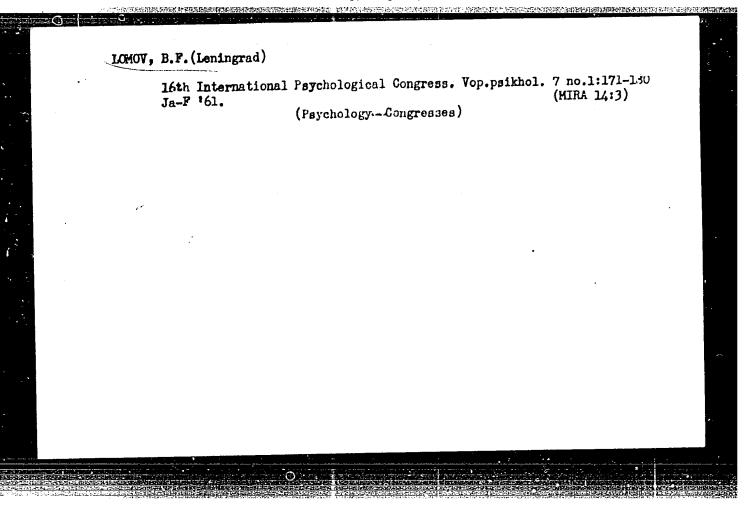
ANAN YEV, B.G., red.; LOMOV, B.F., red.; SURKOV, Ye.N., red.; KISELEVA, L.I., tekhn. red.

[Problems of perception of space and time] Problemy vospriiatiia prostranstva i vremeni; Materialy. Pod red. B.G. Anan'yeva i B.F. Lomova. Leningrad, Leningr. otd-nie ob-va psikhologov, 1961. 211 p (MIRA 15:6)

1. Nauchnoye soveshchaniye po problemam vospriyatiya prostranstva i vremeni. 2d, Leningrad, 1961. 2. Kafedra psikhologii Leningradskogo universiteta (for Anan'yev). 3. Laboratoriya industrial'noy psikhologii Leningradskogo gosudarstvennogo universiteta im. A.A. Zhdanova (for Lomov).

(Space perception)

(Time perception)



ANAN'YEV, B.G., otv. red.; LOMOV, B.F., otv. red.; LAMAGINA, G.K., red.; ZHUKOVA, Ye.G., tekhn. red.

[Problems of general and industrial psychology]Problemy obshchei i industrial'noi psikhologii. Leningrad, Isd-vo Leningra. univ., 1963. 154 p. (MIRA 16:5)

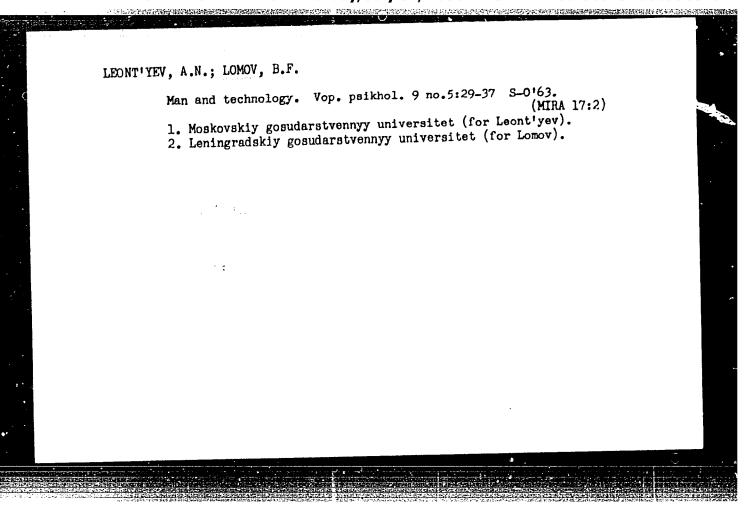
1. Leningrad. Universitet. (Psychology, Physiological) (Psychology, Industrial)

LOMOV, Boris Fedorovich; SHERRAKOVA, G.A., red.; ZHUKOVA, Ye.G.,

tekhn. red.

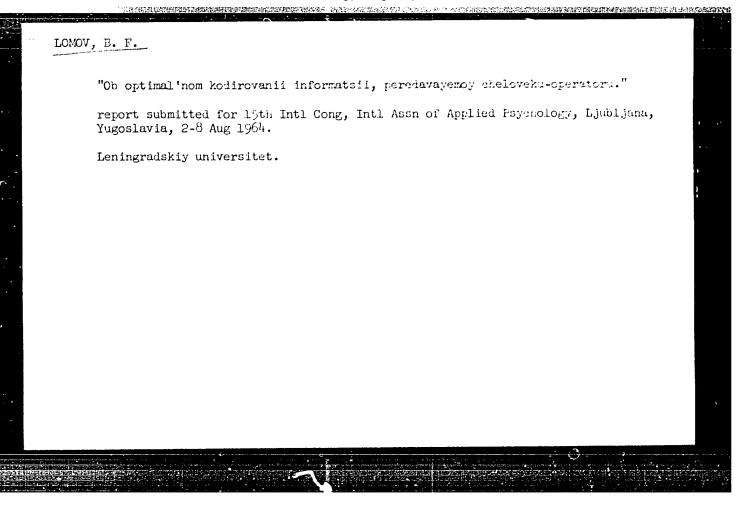
[Man and tehonology; essays on engineering psychology] Chelovek
i tekhnikajocherki inzhenernoi psikhologii. Leningrad, Izd-vo
Leningr. univ., 1963. 264 p.

(Human engineering)



LOMOV, B. F.

report submitted for Symp on Psychological Problems of Cybernetics, E. Berlin, 3-5 Sep 64.



Study of the human operature antivities in tries to Mich 1861 (Mich 1861) prikhol. It no. hit55-175 Ja-7 1/5.

1. Laboratoriya inghenerney prikhologii leningrai rego gesudarutvennego universiteta.

10MOV, F. 0.

29104 Razvitii Rafinadnoy Promyshlennosti Sakhar Prom-st', 1949, No. 8, S. 11-15

So: Letopis' Zhurnal'nykh Ststey, Vol. 39, Moskva, 1949

LOMOV. F. O., ZIL'BERMAN, T. I., VINCORMIDOV, N. V.

Sugar - Transportation

Practical sugar transportation. Sakh. prom., 26, no. 1, 1952.

Monthly List of Russian Accessions, Library of Congress, April 1952. Unclassified.

LCMOV, F. O.

Beets and Beet Sugar - Volga Valley.

Sugar Industry in the Volga area. Sakh. prom. 26 No. 2, 1952.

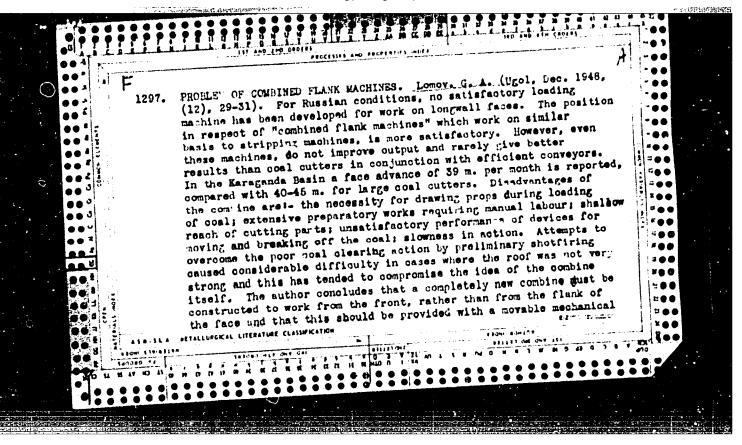
Monthly List of Russian Accessions, Library of Cogress, June 1952. Unclassified.

LOMOV G. A.

Prokhodka Shakht S Predvaritel' Nym Tamponazhem S Poverkhnosti, Goryuchiye

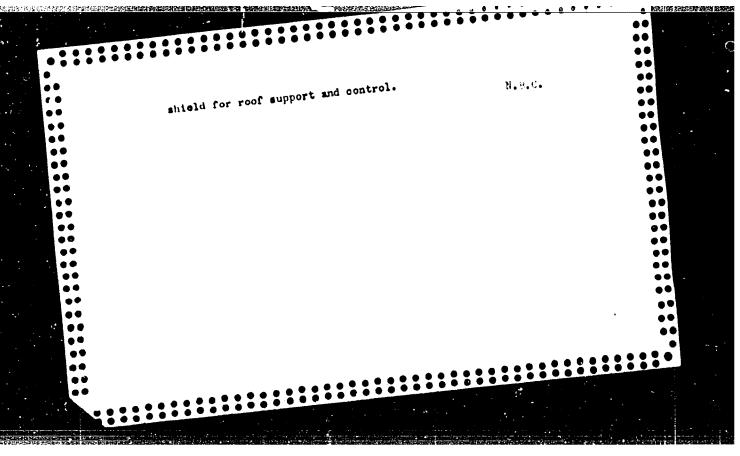
Blantsy, 1933, No. 1, 29.

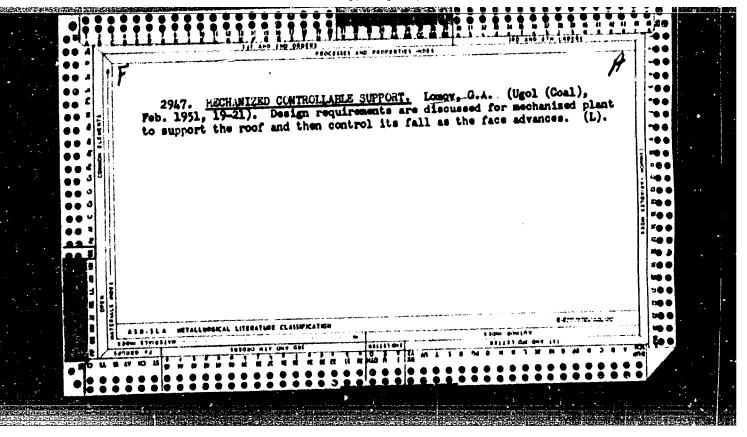
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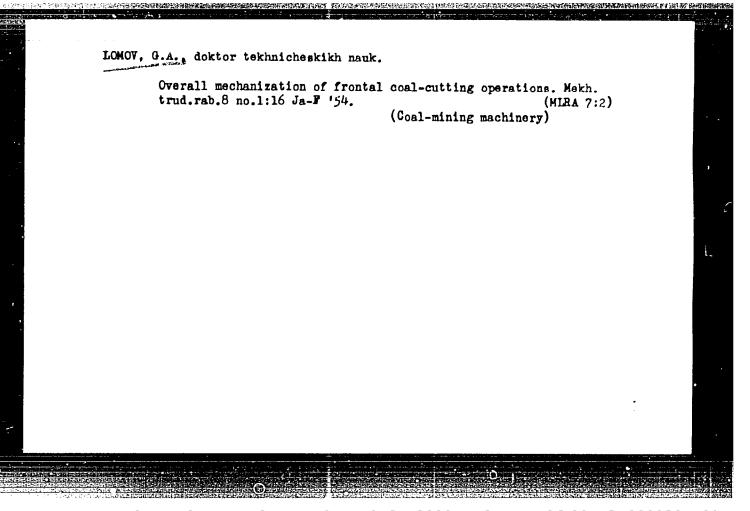
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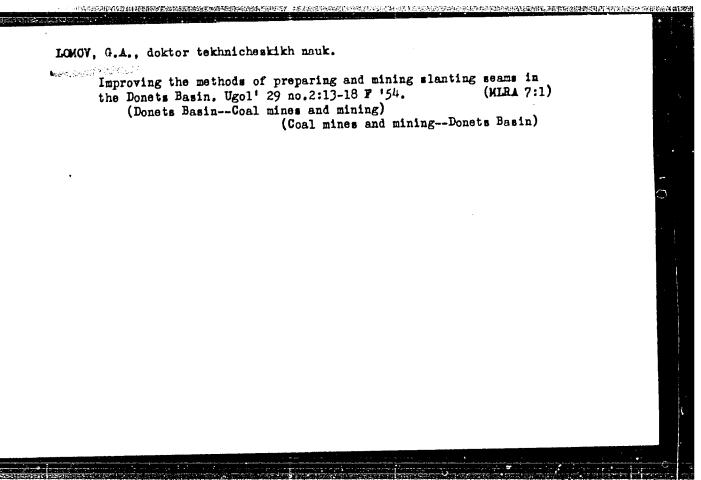
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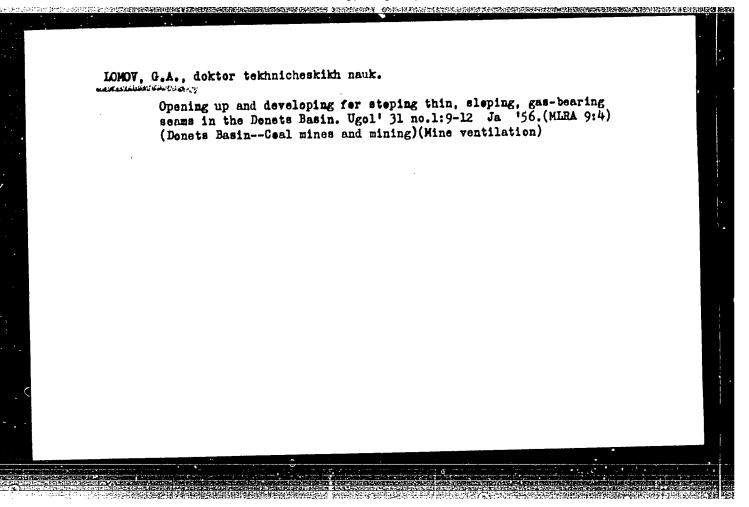


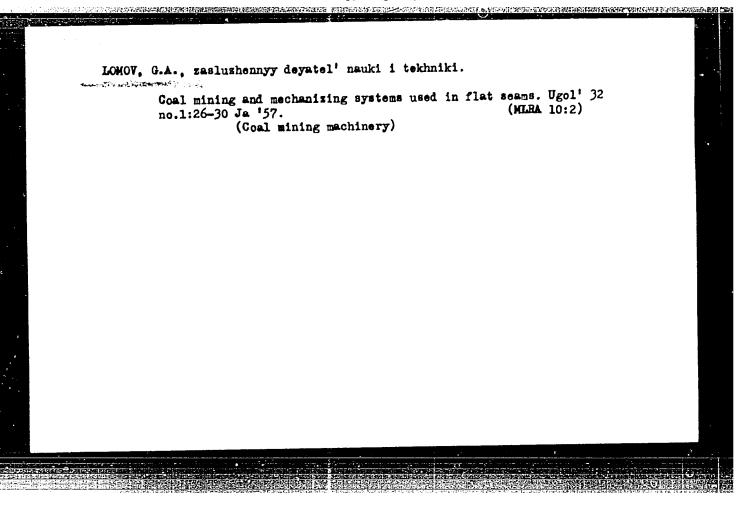


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	winning machinery operated in	enter of information from	and to a central			
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IOMOV, G.A., doktor tekhn.nauk

Efficient method of mining thick steeply pitching Kuznetsk Basin seams with filling of worked out areas. Ugol' 33 no.12:13-15
D'58. (MIRA 11:12)

(Kuznetsk Basin--Coal mines and mining)

(Mine filling)

(MIRA 14:7)

OVEZMURADOV, S.O.; LOMOV, G.G.

Experimental forage crop plantations in Kunya-Urgench District.

1. Institut botaniki AN Turkmenskoy SSR. (KUNYA_URGENCH DISTRICT_FORAGE PLANTS)

Izv. AN Turk. SSR. Ser. biol. nauk no.2:71-78 '61.

KOSILOV, S.A.; LOMOV, I.A.; MOYKIN, Yu.V.

Criteria of perfection of motor dynamic stereotype. Zhur. vys.
nerv. deiat. 5 no.5:653-659 g-0 '55. (MIRA 9:1)

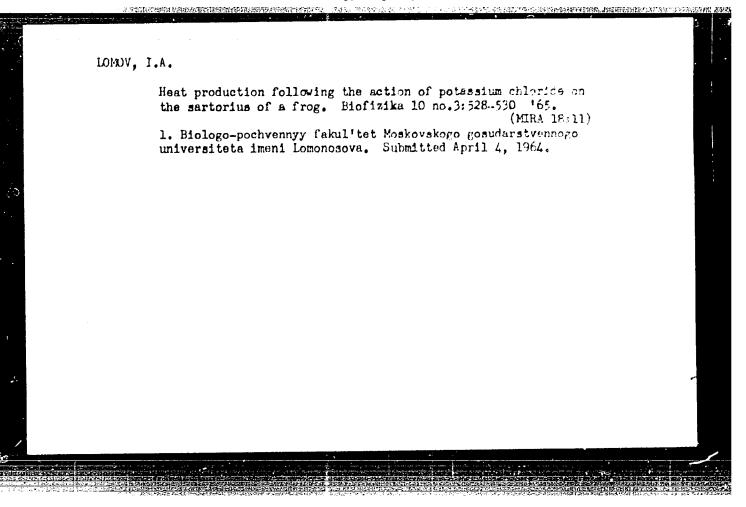
1. Institut gigiyeny truda i profzabolevaniy AMN SSSR.

(MCRK,

criteria of perfection of hotor dynamic stereotype.)

LOMOV, I.Ya., polkovnik; BELIKOV, M.A., polkovnik, red.; MEDNIKOVA, A.N., tekhn.red.

[Some questions on party organizing activities in the Soviet Army and Navy] Nekotorye voprosy partiino-organizatsionnoi raboty v Sovetskoi Armii i Flote. Izd.3., ispr. i dop. Moskva. Voen.izd-vo M-va oborony SSSR, 1959. 94 p. (MIRA 12:10) (Communist Party of the Soviet Union--Party work) (Russia--Armed forces)



L 32596-66 ENT(m)/EMP(v)/T/EMP(t)/EMP(k)/EMP(h)/EMP(b)/EMP(1)/EMA(c) JD/HM
ACC NR: AP5018695 SOURCE CODE: UR/0125/65/000/007/0011/0014/7

AUTHOR: Bratkova, O. N. (Doctor of technical sciences); Lomov, I. A. (C)

ORG: MVTU imeni Baumana

TITLE: Power circuit calculation for a low amperage arc power cource

SOURCE: Avtomaticheskaya svarka, no. 7, 1965, 11-14

TOPIC TAGS: transistorized circuit, electric power source, are welding

ABSTRACT: The basic parameters of a low amperage power circuit for argon are welding with nonconsumable electrodes are calculated and the use of transistors as welding voltage regulators is discussed. Transistors may be connected (1) to the bridge rectifier or (2) to the rectifier circuit. Despite a slight power loss due to feedback resistance in the emitter circuits, the bridge rectifier hookup is favored over the rectifier circuit hookup. Transistorized voltage regulators in low amperage arc welding have the advantage of holding voltage constant despite fluctuations in the length of the arc (at 0.3-1.5 mm arc length, voltage fluctuation did not exceed 3-4%) and make for a much lighter, more compact power source. Orig. art. has: 4 figures, 7 formulas.

SUB CODE: 13/ SUBM DATE: 06Aug64/ ORIG REF: 004/ OTH REF: 000

Card 1/1/5K

0

UDC: 621.791.03 : 621.382.3

LOMOV, I. Ye.

Eckrasovskiy, Ya. E. and Lonov, I. ve. - "On the height of the work level in the mining of steeply-dipping layers (suitable to the central region of Donbacs)," Izvo-tipa Dnepropetr. gornogo in-ta, Vol. XIX, 1940, p. 85-105

50: U-3600, 10 July 53, (Lotopis 'Zhurnal 'nykh Statey, No. 6, 1949).

AUTHOR:

Lomov, I.Ye., Engineer

SOV-118-58-7-9/20

TITLE:

A New Mechanism for the Drilling of Deep Bore Holes in Coal Mining (Novyy mekhanism dlya bureniya glubokikh skvazhin po

uglyu)

PERIODICAL:

Mekhanizatsiya trudoyemkikh i tyazhelykh rabot, 1958, Nr 7,

pp 23-25 (USSR)

ABSTRACT:

In 1957 at the coal mine "Yunyy Kommunar" of the Ordzhonikid-zeugol' Trust, A.I. Komarov, V.A. Seleznev and L.Ya. Sazonov invented a mechanism for the drilling of bore holes in any wanted direction. By joint effort of coal mine workshops, one model of the drilling machine was built, which was named BA-1. The technical novelty of the new mechanism is that the boring machine and the feeding mechanism are enclosed in one case and are fed with compressed air through one hose. The mechanism of the BA-1 can be taken apart and consists of two parts, one of which contains a complex air distributing valve box and the pneumatic motor. The second part plays a subsidiary role and is used to move the boring machine inside the bore. The following technical details of the BA-1 are presented: total weight - 25 kg, length - 940 mm, length of the core bit2-250 mm, bearing surface of one connecting piece - 300 cm²,

Card 1/2

SOV-118-58-7-9/20

A New Mechanism for the Drilling of Deep Bore Holes in Coal Mining

bearing pressure on one connecting piece - 1,050 kg, diameter of the body - 100 mm, diameter of the bore - 150 mm, motor capacity - 3 hp, air pressure - 3,5 atm., air expenditure - 3 cu m per minute, boring speed - 0.33 m per minute, weight of the starting device - 10 kg, boring depth - from 10 to 15 m. The trial of the new automatic boring machine proved its excellent efficiency. The article describes in detail the working capabilities of the boring machine. There are 3 photographs, 1 schematic drawing, and 1 table.

1. Coal mining--USSR 2. Equipment--Development

Card 2/2

LOMOV, I.Ya., dotsent; TARARYKO, P.M.; IESNYKH, V.A., gornyy inzh.

Examples and problems on organization and planning. Ugol' Ukr.
7 no.11:55-56 N '63. (MIRA 17:4)

ALTATEV, Boris Tokovlevich; LOMOV, Konstantin Fedorovich; KUTUZOV, V.I., red.; STUDENETSKAYA, V.A., tekhn.red.

[New developments in the Canadian labor movement] Hovos v rabochem dvizhenii Kanady. Moskva, Izd-vo VTsSPS, Profizdat, 1960. 102 p. (MIRA 13:5)

(Canada--Communist Party) (Canada--Trede unions)

LOMOV, N., general-polkovnik, prof.

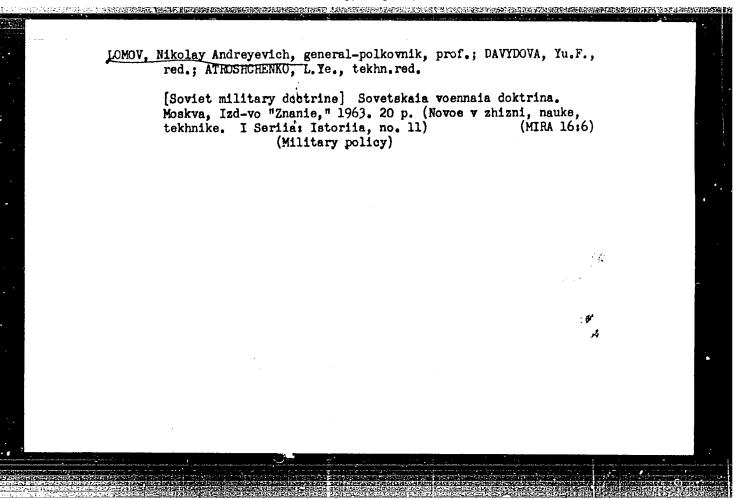
Influence of Soviet military doctrine on the development of military art. Komm. Vooruzh. Sil. 46 no. 21:15-24 N '6' (ETRA 19:1)

"APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R000930510

	SOURCE CODE: UR/0317/65/000/009/0029/0033
AUTHOR: Lomov, N. (Professor, Co	plonel general)
ORG: none	
TITLE: Science and military technolo	PEY (
SOURCE: Tekhnika i vooruzheniye, n	0. 9, 1965, 29-33
	litary engineering, missile technology, missile detection
ABSTRACT: The importance of pure cussed. Since war is to be considered curred within the society — including a frastructure — will inevitably be refle intimate interrelation between the need continuous scientific community is discussivelopments in the area of military scientific community.	and applied science to a modern military effort is dis- i a social phenomenon, all the changes that have oc- the advancement of the scientific and technological in- cted in a nation's capacity to wage war effectively. The ds and requirements of modern military power and the ed, as are certain of the more significant latter-day de-
ABSTRACT: The importance of pure cussed. Since war is to be considered curred within the society — including a frastructure — will inevitably be refle intimate interrelation between the need continuous scientific community is discussivelopments in the area of military scientific community.	and applied science to a modern military effort is dis- i a social phenomenon, all the changes that have oc- the advancement of the scientific and technological in- cted in a nation's capacity to wage war effectively. The ds and requirements of modern military power and the ed. as are certain of the more similary to

vances in terms o ordnance. A brie	of their related freview of the state of the	foreign (predomi	is given, and also of submarines, tanks, reinantly US) thinking on and Soviet aero-space mbat situations is a m	conventional anti-ai doctrine is summar	rcrait
SUB CODE: 16/	SUBM DA'	TE: none/ OF	CIC REF: 002		
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LOMOV,

USSR/General Questions.

Α

Abs Jour: Ref Zhur-Khimiya, No. 7, 1957, 21827

Author : Lomov, N. I.

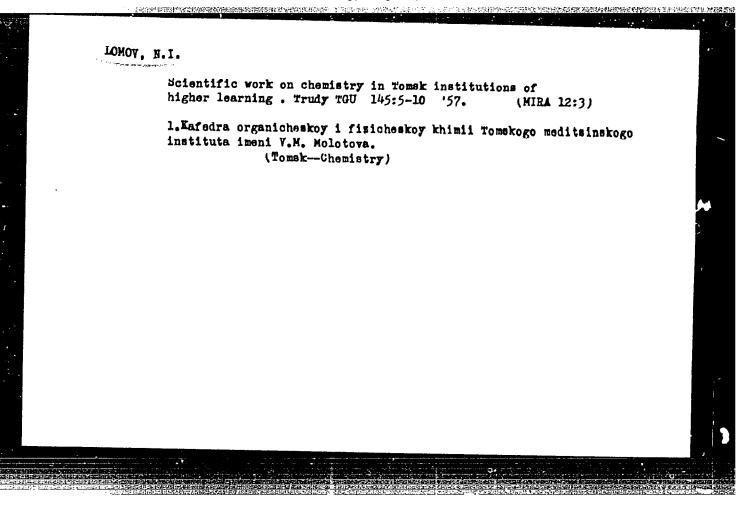
Inst : None

Title : Ya. I. Mikhaylenko's Viewpoint of Nature of Solvents.

Orig Pub: Uch. Zap. Tomskogo in. - ta, 1955, No. 26, 181-186

Abstract: Ya. I. Mikhaylenko-physical chemist, professor of Mendeleyev's chemical-technological institute in Moscow.

Card 1/1



- 1. IOMOV, S., Eng.; MAYZEL!, Kh.
- 2. USSR (600)
- 4. Pipe, Steel
- 7. Tubes of sheet steel for electric installations. Zhil.-kom.khoz. 2, No. 11, 1952.



9. Monthly List of Russian Accessions, Library of Congress, ______1953, Uncl.

166500

. s/020/63/148/003/005/037 B112/B186

AUTHOR:

Lomov, S. A.

TITLE:

Power scries boundary layer in problems involving a small

parameter

PERIODICAL: Akademiya maux SSSR. Doklady, v. 148, no. 3, 1963, 516-519

TEXT: It is shown that the problem

 $L_{\xi}y = (\xi + x)y^{(n)} + a_{n-1}(x)y^{(n-1)} + a_{n-2}(x)y^{(n-2)} + \dots + a_{0}(x)y = h(x)$ (1)

 $y_{\xi}(0) = y_{\xi}(0) = \dots = y_{\xi}^{(n-1)}(0) = 0$

can be solved in the form

 $(x) + z_{\varepsilon}(x),$ $(x) + o(\varepsilon^{m+1}), y_{\varepsilon, \varepsilon+r-1}^{(i)}, \varepsilon^{n+m}),$

where Ly

Card 1/2

Power series boundary layer in ...

S/020/63/148/003/005/017
B112/7186

(i = 0.1,..., n-1), and the residual term zg/x in first n-1
derivatives have the series of magnitude

C(E^{m+1}).

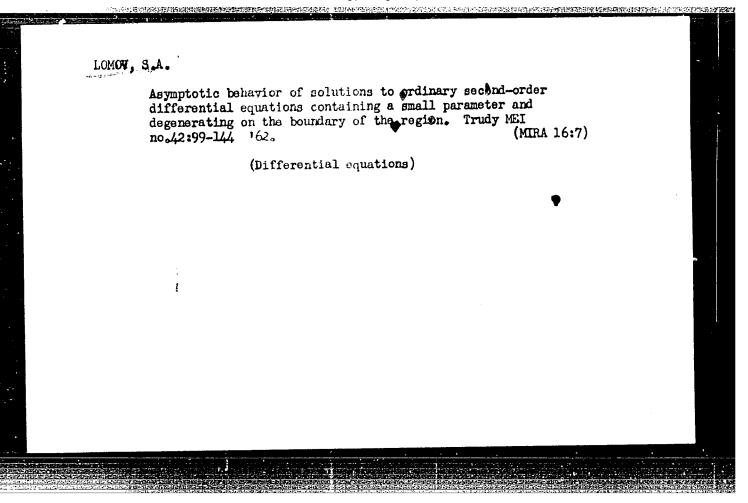
AS. ATI Conskiy energeticneskiy institut
(accompower Engineering Institute)

PRESANTED: July 6, 1962, by I. C. Petrovskiy, Academic

SUBMITTED: July 4, 1962

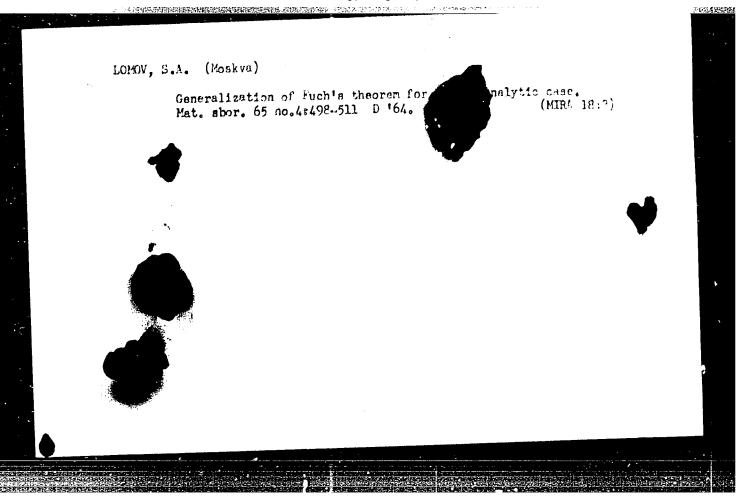
Card 2/2

和数据的进程的影響。我们就把对数据表现的,这种对象的主义,这种对象的主义,可以是是一种的一种,可以是一种的一种的一种,可以是一种的一种的一种的一种的一种的一种的



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CIA-RDP86-00513R000930510

1 03015-67 EWT(d) IJF(c)
ACC NR. AP6028200

SOURCE CODE: UR/0038/66/030/003/0525/0572

AUTHOR: Lomov, S. A.

ORG: none

36 33

TITLE: The power boundary layer in problems with singular perturbation

SOURCE: AN SSSR. Izvestiya. Seriya matematicheskaya, v. 30, no. 3, 1966, 525-572

TCPIC TAGS: perturbation theory, boundary value problem, asymptotic stability, boundary layer, Cauchy problem

ABSTRACT: Asymptotics are constructed for solutions of boundary value and initial value problems for ordinary differential equations with a small parameter. Functions of a power boundary layer are used to make the construction. The asymptotic behavior of the equation

$$\sum_{r=1}^{h} (\varepsilon + x)^r a_{n-h+r}(x) y_{\varepsilon}^{(n-h+r)} + \sum_{j=0}^{n-h} a_j(x) y_{\varepsilon}^{(j)} = h(x)$$

is studied for small positive values of the parameter £, and the asymptotic solution is constructed. Examples of boundary value problems for partial differential equations are presented in cases when the power boundary layer arises in their solution. Seve-

Card 1/2

UDC: 517.9

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h •	lue problem.	mail values boundary values on to this	lciently : limiting nt attent	em for suff lity of the and consta	value problement the solvabion the solvabion with the solvable advices the solvable	the <u>boundary</u> onsequence of edges the val	ility of o be a co	e solvab shown t
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YUGOSLAVIA

LONGY V.F.; University of Leningrad (Leningradskiy Universitet,) Leningrad, USSR.

"Optimal Coding of Information for Human Input."

Zagreb, Arhiv za Higijenu Rada i Toksikologiju, Vol 16, No 2, 1965; pp 129-135.

Abstract [Russian article]: Review of author's and associates' studies regarding signal detection thresholds, interpretation, identification, type of signal, frequency, background or channel noise, signal variation and some interrelationships of these variables. Number of possible and most frequent variations, optimal code design as factor thereof. Table, 2 graphs, diagram; ms rec 3 Nov 64.

LOMOV, V.F. Boring holes in large parts. Sakh.prom. 29 no.1:32 '55. (MIRA 8:4) 1. Belovodskiy sakharnyy zavod. (Sugar industry—Equipment and supplies)

The Labour and the Touch"

Paper presented at the 11th International Gongress of Applied Psychology,

Copenhagen, Denmark, 13-19 Aug. 1961.

 κ

Country : USBR

Category: Forestry. Forest Panagement.

Abs Jour: RZhBiol., No 11, 1903, No 48742

Author : Ushatin, P.N.; Lomov, V.M.

Inst :

Title : Cutting Methods of Principal Produce in the Fir

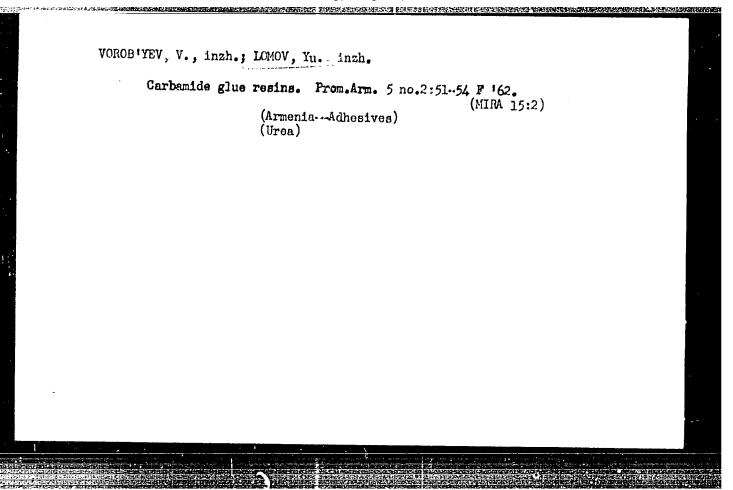
Forests of Northern Caucasus.

Orig Pub: Lesn. kh-vo, 1957, No 12, 8-12

Abstract: No abstract.

Card : 1/1

K-32



LOMOY, Yn.G.

Case of sequestration of an erupted incomplete odontoma. Stomatologiia 42 no.4:89 Jl-Ag'63 (MIRA 17:4)

1. Iz Moskovskogo gorodskogo chelyustno-litsevogo gospitalya (glavnyy vrach - dotsent A.A. Kovner).

5(

SOV/21-59-5-5/25 AUTHORS: Ovcharenko, F.D., Corresponding Member of the AS UkrSSR,

Blokh, G.A., Gudovich, N.V., Lomov, Yu.I.

TITLE: Pyrophyllite, a New Dielectric Filler for Cable Rubber

PERIODICAL: Dopovidi Akademii nauk Ukrains'koi RSR, 1959, Nr 5,

pp 489-493 (USSR)

ABSTRACT: The authors made a study of the physico-chemical properties

of Ukrainian pyrophyllite of the Zbrankov deposits,

Zhitomir region, with the purpose of applying it in cable rubbers as a dielectric filler, instead of chalk and talc (imported from the Urals). The Zbrankov pyrophyllite was found to consist in its basic mass of 85% of highly disperse pyrophyllite mineral, about 15% quartz with traces of talc. The structural formulas of pyrophyllite and talc

are as follows: pyrophyllite - $Al_2 / Si_4 O_{10} (OH)_2$;

talc- 3MgO '4SiO2' H2O. The optical constants of pyrophyl-

Card 1/3 lite are Ng= 1.600 - 1.594; Np = 1.552-1.555;

sov/21-59-5-8/25

Pyrophyllite, a New Dielectric Filler for Cable Rubber

Ng-Np = 0.048-0.039; of talc Ng = 1.575-1.590; Np = 1.538-1.545; Ng-Np = 0.037-0.045. Chemical compositions of pyrophyllite and talcs from the Urals are shown in table 1. Mixtures of pyrophyllite were substituted for talc and chalk, as shown in table 3, subjected to pressed vulcanization at 1430 ± 20 for 10-60 minutes. The analysis of the results of testings showed in table 4 indicates that the physical and mechanical properties of the rubber remained unchanged both before and after ageing (24 hours -long, at 70°, in the air) and did not differ from serially-produced insulation rubber. Hence, pyrophyllite is a new effective dielectric filler for cable rubber. It is the most hydrophobic of all agrillaceous minerals, its heat of moistening is close to zero, the value of water sorption at P/Ps = 1 is 0.2 nmol/g, the dielectric constant is 7.7, angle of dielectric losses 9-12', pH = 6.5. Thermal treatment and grinding may intensify the heat of moistening, value of water absorption and

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Card 2/3

SOV/21-59-5-8/25

Pyrophyllite, a New Dielectric Filler for Cable Rubber

dielectric constant. There are 4 tables, 1 microphoto,

1 graph and 4 Soviet references.

ASSOCIATION: Institut obshchey i neorganicheskoy khimii AN UkrSSR

i Dnepropetrovskiy khimiko-tekhnologicheskiy institut (Institute of General and Inorganic Chemistry of the AS UkrSSR, and the Dnepropetrovsk Chemico-Technological

Institute)

SUBMITTED: February 18, 1958

Card 3/3

LOMCV, Yu.M.

Experimental infection of Dermacentor marginatus nymphs with Leptospira pomona. Med. paraz. i paraz. bol. 34 no.1:115 Ja-F '65. (MIRA 18:8)

1. Institut epidemiologii, mikrobiologii i gigiyeny i kafedra epidemiologii Meditsinskogo instituta, Rostov-na-Donu.

N. Carrie	L 22744-66 EWT(m)/EWP(1) IJP(c) RM ACC NR: AP6006353 (A) SOURCE CODE: UR/0413/66/000/002/0093/0093	٦	
	AUTHOR: Kamenskiy, I. V.; Lapitskiy, V. A.; Ukhinov, V. A.; Lomov, Yu.M.	• <u>•</u>	
• .	ORG: none TITLE: Modification of rubber. Class 39, No. 1780935		
	SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 2, 1966, 93		°
	chemical resistant material ABSTRACT: This Author Certificate describes a method for modifying rubber by combining it with resins. To raise both the thermal and chemical resistance of the final product, the use of a resin of the furan series containing an ionic-type catalyst is suggested. The reaction mixture is subjected to thermal treatment at 80200C. Organic sulfonic acids, metal chlorides and mineral acids are proposed for use as [LD]		01
	SUE CODE: 11/ SUBM DATE: 23Jan63		
	Card 1/1 UVC: 678.046.7:547.724.1	2	
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CZECHOSLOVAKIA

HASKOVEC, L.; RYSANEK, K.; LONOVA, E.; Psychiatric Clinic, Prague. Criginal version not given.

"Metabolites of Biogenic Amines in Endogenous Depression in the Course of Imipramine Therapy."

Prague, Activitas Nervosa Superior, Vol 8, No 4, No 66, pp 444 - 445

Abstract: A study of metabolites of biogenic amines in excretions of 7 patients was made. The chief metabolites of noradrenalin and serotonin were wailylmandelic acid, 5-hydroxyindoleacetic acid, and creatinine. During imipramine therapy the excretion of vanilylmandelic acid was reduced from the beginning of the treatment, while the excretion of the 5-hydroxyindoleacetic acid dropped only after 11 days of treatment. 2 Figures, no references. Submitted at the 8th Annual Psychopharmacological Meeting at Jesenik, 18 - 22 Jan 66. Article is in English.

1/1

ENG(J)/ENA(k)/FBD/ENT(1)/EPA(s)-2/ENT(m)/EEO(k)-2/EEO(t)/T/ENP(t)EEG(b)-2/EMP(k)/EWP(b)/EMA(m)-2/EMA(h)/EMA(c) Pn-4/Po-4/Pf-4/Pt-10/Peb/Pi-4 ACCESSION NR: AP5008474 P1-4 Id2(c) WG/JD/JG S70070/65/010/002/0255/0256 AUTHOR: Filimonov, A. A.; Lomova, L. G.; Suvorov, V. S.; Pakhomov, V. I.; Sonin, A. S. 81 TITLE: Second harmonic generation in potassium icdate monocr SOURCE: Kristallografiya, v. 10, no. 2, 1965, 255-256 TOPIC TAGS: laser, ruby laser, nonlinear optics, harmonic generation, second harmonic, potassium iodate, nonlinear effect, optical harmonic ABSTRACT: A second harmonic generation in crystals of potassium iodate illuminated by a cuby laser emission ($\lambda = 6943$ Å) is reported. Maximum generation was in the [102], [120], and [012] directions and was of the same order of magnitude as that observed in ADP crystals in the direction of matching indices. The determination of the direction of matching indices in KIO3 crystals was difficult because of low crystal symmetry and the difficulty of measuring refraction indexes. The minimal refraction indexes for the DNa line with laser emission propagation in the [100], [010] and [011] directions were 1.7281, 1.7274, and 1.7278, respectively. The KIO3 crystals exhibited high birefringence. It was determined from absorption spectra that the crystals were transparent between 0.4 and 6.2 u. [cs]

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L 57571-65 EWT(1)/EPA(s)-2/EWT(m)/ZEC(t)/T/EWP(t)/EWP(b)/EWA(c) Pt-7/P1-4
ACCESSION NR: AP5016130 UR/0048/65/029/006/0965/0968

AUTHOR: Sonin, A.S.; Lomova, L.G.

TITLE: Changes in the optical properties of ferroelectric single crystals incident to phase transitions / Report, 4th All-Union Conf. on Ferroelectricity held in Rostov-on-the-Don 12-18 Sept 1964/

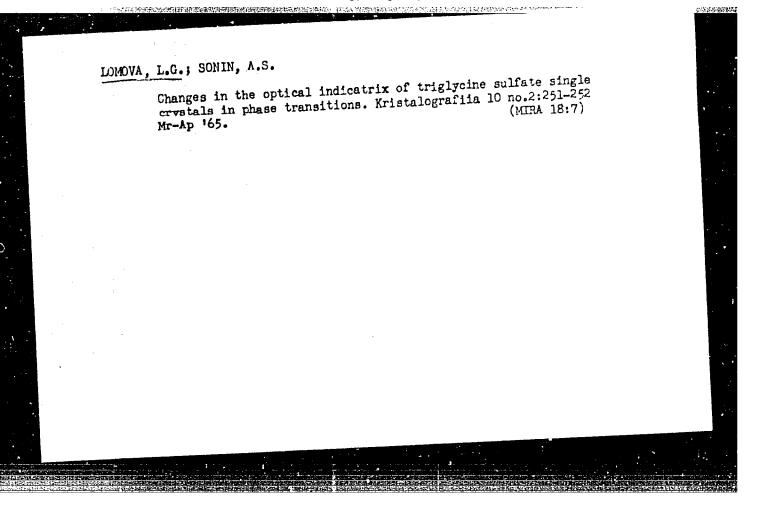
SOURCE: AN SSSR. Izvestiya.Ser.fizicheskaya.v.29, no.6, 1965, 965-968

TOPIC TAGS: ferroelectric crystal, double refraction, phase transition, polarization, deformation

ABSTRACT: The authors discuss theoretically the change in the birefringence of a ferroelectric crystal at the transition from the paraelectric to the ferroelectric phase. The double refraction is assumed to arise from the linear and quadratic electro-optical effect and the spontaneous polarization, and from the electro-elastic effect and the spontaneous deformation. The birefringence is proportional to the spontaneous polarization unless the crystal is centrally symmetric in the paraelectric phase. In the case of central symmetry the birefrin-

Card 1/2

gence is proportional to the square of the spontaneous polarization. gence is proportional to the square of the spontaneous polarization. The theoretical conclusions are illustrated (and confirmed) by experimental data of B.Zwicker and P.Scherrer (Helv.phys.acta 17,346,1944) mental data of B.Zwicker and P.Scherrer (Helv.phys.acta 17,346,1944) on KH.PO4, and by experimental data of W.Merz (Phys.Rev.76,1221,1949) on Balio3. "In conclusion, we express our gratitude to I.S.Zheludev on Balio3. "In conclusion, we express our gratitude to T.S.Zheludev and L.A.Shuvalov for discussing the results of the work." Orig.art. has: 7 formulas and 2 figures.							
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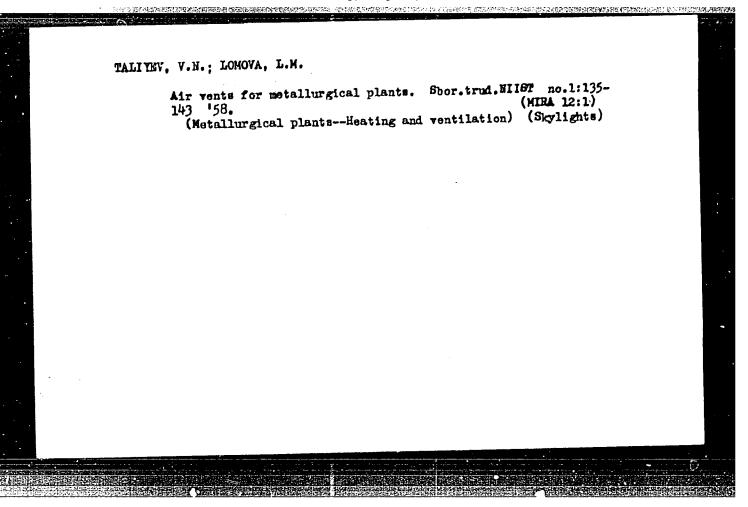
L 4267-66 EWT(1)/T IJP(c) GG		
ACC NR: AP5024554	UR/0070/65/010/005/0701/0707 548. 0:537. 228 57	7
AUTHOR: Perfiloya, V. E.; Sonin, A.S.; Lomova,	L.G. 44.55	
TITLE: Change in the optical properties of <u>crystals</u> SOURCE: Kristallografiya, v. 10, no. 5, 1965, 701	4,44,65	
TOPIC TAGS: Kerr effect, crystal optic property,	crystal structure	
ABSTRACT: The paper gives an analytical treatment crystals, arising under the influence of an external effect. All the results are tabulated. The basic regulatorix are discussed. In crystals of the rhombic,	electric field as a result of the Kerr gularities in the change of the optical in- hexagonal (classes 6/mmm, 6 mm,	
62, and 62) and cubic system when the field acts alore tetragonal and trigonal system in the <001> and <000 42 m, and 4 mm (field directed along <100> and <001 without changing positions. The action of the field a tetragonal, hexagonal, and trigonal system does not	01> directions, and of classes 4/mmm, 4 1>), the indicatrixes are only deformed, dong <001> and <0001> in crystals of the	
and the crystal remains uniaxial. The symmetry of of the cubic system. In crystals of the tetragonal sy 42 m), the symmetry decreases when the field is ap in the article should be useful for studies of the Ker	the indicatrix always decreases in crystystem (classes 4/mmm, 422, 4mm, and plied along <100>. The tables presented	tals —
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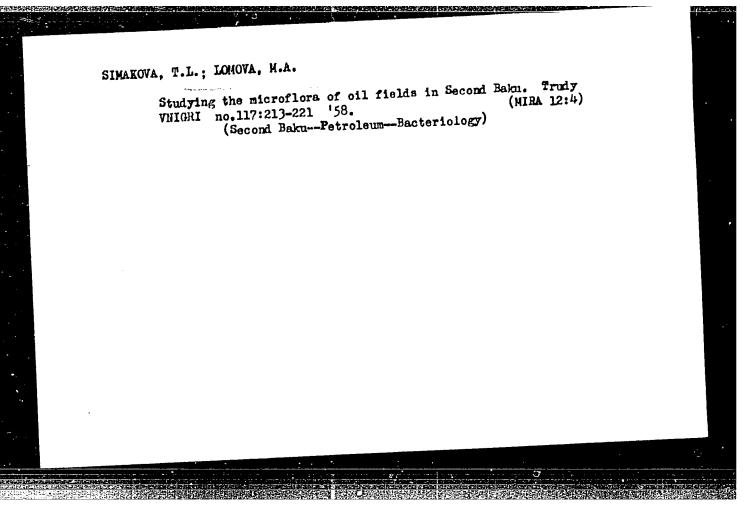
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1.11人会工会社发展的根据,因为经验的研究工作工作工作。

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Zheludey, L. A. Orig. art. has:	Shuvalov, A. P.	Lyubimov, 1	and I, S, I	Roz for a d	iscussion of the r	esults."	
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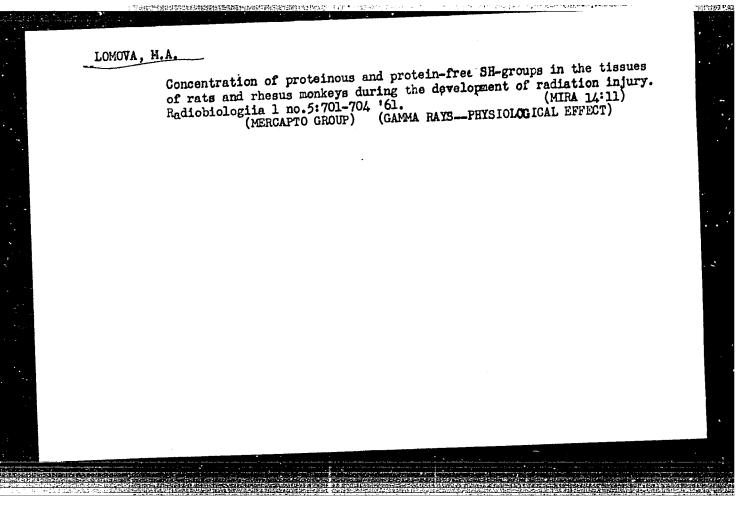


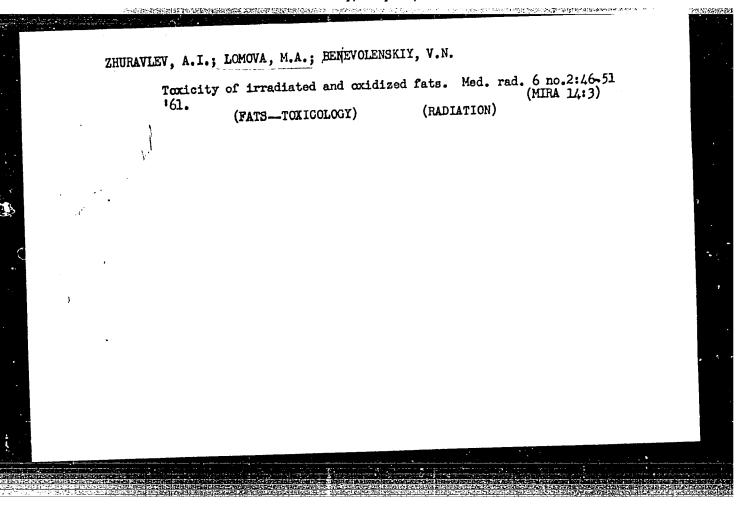


MAZING, L.A., kand.tekhn.nauk; GURICHEVA, Z.G., nauchnyy sotrudnik; YEVILEVICH, M.A., nauchnyy sotrudnik; LOMOVA, M.A., nauchnyy sotrudnik; KOVALEVA, A.A., nauchnyy sotrudnik

Methods of sewage purification. Bum.prom. 37 no.9:7-10 S '62. (MIRA 15:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut tsellyuloznobumazhnoy promyshlennosti. (Sewage--Purification)





ACCESSION NR: AT4042653

s/0000/63/000/000/0056/0060

AUTHOR: Baranov, V. I.; Gyurdzhian, A. A.; Lomova, M. A.; Radkevich, L. A.; Tutochkina, L. T.; Fedorova, T. A.; Furayeva, L. P.; Khn*chev, S. S.; Artem*yeva, N. S.

TITLE: The effect of gravity on the development of organisms

SOURCE: Konferentsiya po aviatsionnoy i kosmicheskoy meditsine, 1963. Aviatsionnaya i kosmicheskaya meditsina (Aviation and space medicine); materialy konferentsii. Moscow, 1963, 56-60

TOPIC TAGS: gravity, centrifuge, organism development, physiological function, rat, chronic centrifugation, blood composition, urine composition, Coriolis acceleration

ABSTRACT: In this investigation, Baranov and his co-workers designed a centrifuge for small animals with an arm radius of 135 cm which could be regulated to produce artificial gravitational fields of from 4 to 5 g. The centrifuge was arranged in such a way that the arms and cages at the end of the arms would simultaneously rotate around their axes producing Coriolis accelerations. A single control panel

Card 1/3

ACCESSION NR: AT4042653

regulated the photography and illumination of cage interiors, automatic feeding of the animals, and the revolving rate of the centrifuge. It was possible to record five separate physiological functions from some specially prepared animals. Experiments were conducted on white rats, commencing on the first day after birth and continuing for 25 days. Litters consisting of 200 animals were divided into experimental and control groups. All animals were born at approximately the same time. Experimental animals were subjected to accelerations ranging from 1.5 to 3 g for periods of from 4 to 6 hours, 6 days per week. The weighing of all animals took place every three days as did biochemical assays of the blood and urine, tests of vestibular activity, and the determination of the time of sexual -maturity in female animals. At the termination of the experiment, a comparative test of the response of both experimental and control animals to brief accelerations of 5, 10 and 20 g was conducted. After 20--25 days, the body weight of chronically centrifuged animals was 60-80% that of the controls. The composition of erythrocytes (89.6%), leukocytes (93.4%), and hemoglobin (99.1%) in the blood of experimental animals with respect to control animals reflected a slightly anemic condition. While blood albumin in experimental animals was somewhat lower than in the controls, serum mucoid composition was higher, indicating a change of dystrophic character. Urine assays of experimental animals showed that the levels of Diche-positive substance (48%), nitrogen (62%), creating (31%),

Card 2/3

ACCESSION NR: AT4042653

and creatinine (60%) were lower than in the control animals. Finally, the estral cycle of experimental females was significantly altered, though one female gave normal birth to young. In the second investigation, control animals exposed to brief accelerations of 5 g showed noticeable increases in the level of non-esterified fatty acids, decreases in serum mucoid composition, and increases in the albuminglobulin ration. However, at 20 g there was an increase in serum mucoid composition and a decrease in the albumin-globulin ration. Biochemical variations in experimental animals subjected to the same accelerations were insignificant. The authors conclude that gravity plays a complex role in the physiological processes of the developing organism but that the true mechanism of this role is far from being understood.

ASSOCIATION: none

SUBHITTED: 27Sep63

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